

AMENDMENTS TO THE SPECIFICATION:

Please replace paragraph 4 on page 5 with the following amended paragraph:

FIGURE 20 10 is a flow diagram that depicts fault detection according to one embodiment of the present invention.

Please replace paragraph 6 on page 5 with the following amended paragraph:

An important characteristic of BCS is that, instead of overlapping computation with communication and I/O within a single parallel job, all the communication and I/O ~~which~~ that arise from a set of parallel jobs can be overlapped with the computations in those jobs. This approach represents a significant improvement over existing work reported in the literature. It allows for the implementation of a global scheduling policy, similar in function to GS but radically different in methodology, while maintaining the overlapping of computation and communication similar to ~~DOS~~ DCS.